

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 to 4 (Canceled)

Claim 5 (Currently Amended): Apparatus for regeneration of a catalyst plant comprising:

a ~~SCOSO_x~~ catalyst for the removal of SO₂, and arranged downstream thereof, a ~~SCONO_x~~ catalyst for the removal of NO_x, from the flue gas of a gas turbine, and also at least one supply pipe for the introduction of regenerating gas, and at least one drain pipe for the extraction of regenerating gas, wherein the supply pipe opens between the ~~SCOSO_x~~ catalyst for the removal of SO₂ and the ~~SCONO_x~~ catalyst for the removal of NO_x, and is connected to the drain pipe which leaves upstream of the ~~SCOSO_x~~ catalyst for the removal of SO₂, and a further supply pipe for the supply of fresh regenerating gas is present and opens downstream of the ~~SCONO_x~~ catalyst for the removal of NO_x.

Claim 6 (Currently Amended): Apparatus for regeneration of a catalyst plant comprising:

a catalyst plant with a ~~SCOSO_x~~ catalyst for the removal of SO₂, and arranged downstream thereof, a ~~SCONO_x~~ catalyst for the removal of NO_x, from the flue gas of a gas turbine, and also at least one supply pipe for the introduction of regenerating

gas, and at least one drain pipe for the extraction of regenerating gas, wherein the supply pipe opens upstream of the SCOSO_x catalyst for the removal of SO_2 and is connected to the drain pipe which leaves between the SCOSO_x catalyst for the removal of SO_2 and the SCONO_x catalyst for the removal of NO_x , and a further supply pipe for the supply of fresh regenerating gas is present and opens downstream of the SCONO_x catalyst for the removal of NO_x .

Claim 7 (Currently Amended): Apparatus for regeneration of a catalyst plant comprising:

a catalyst plant with a SCOSO_x catalyst for the removal of SO_2 , and arranged downstream thereof, a SCONO_x catalyst for the removal of NO_x , from the flue gas of a gas turbine, and also with at least one supply pipe for the introduction of regenerating gas, and at least one drain pipe for the extraction of regenerating gas, leaving upstream of the SCOSO_x catalyst for the removal of SO_2 , wherein the supply pipe opens between the SCOSO_x catalyst for the removal of SO_2 and the SCONO_x catalyst for the removal of NO_x , and is connected to a further drain pipe arranged downstream of the SCONO_x catalyst for the removal of NO_x .

Claim 8 (Previously Presented): Apparatus according to claim 5, wherein at least one supply pipe for the addition of molecular hydrogen or hydrocarbon opens into at least one of the supply pipe for the introduction of regenerating gas and the further supply pipe for the supply of fresh regenerating gas.

Claim 9 (Currently Amended): Apparatus according to claim 8, wherein:

a steam reforming catalyst is situated between an opening of the at least one supply pipe for the addition of molecular hydrogen or hydrocarbon that opens into the supply pipe for the introduction of regenerating gas, and an opening of the supply pipe for the introduction of regenerating gas that opens between the SCOSO_x catalyst for the removal of SO_2 and the SCONO_x catalyst for the removal of NO_x ; and/or

a steam reforming catalyst is situated between an opening of the at least one supply pipe for the addition of molecular hydrogen or hydrocarbon that opens into the further supply pipe for the supply of fresh regenerating gas, and an opening of the further supply pipe for the supply of fresh regenerating gas that opens downstream of the SCONO_x catalyst for the removal of NO_x .

Claim 10 (Previously Presented): Apparatus according to claim 5, wherein a purge duct for the supply or removal of a cleaning gas opens into at least one supply pipe or drain pipe.

Claim 11 (Previously Presented): Apparatus according to claim 5, wherein at least one drain pipe is connected to a hydrogen monitor and to an oxygen monitor.

Claim 12 (Previously Presented): Apparatus according to claim 5, further comprising a purge duct for the supply or removal of a cleaning gas, the purge duct opening into the drain pipe.

Claim 13 (Previously Presented): Apparatus according to claim 5, wherein the at least one drain pipe is connected to a hydrogen monitor and to an oxygen monitor.

Claim 14 (Previously Presented): Apparatus according to claim 6, wherein at least one supply pipe for the addition of molecular hydrogen or hydrocarbon opens into at least one of the supply pipe for the introduction of regenerating gas and the further supply pipe for the supply of fresh regenerating gas.

Claim 15 (Currently Amended): Apparatus according to claim 14, wherein:
a steam reforming catalyst is situated between an opening of the at least one supply pipe for the addition of molecular hydrogen or hydrocarbon that opens into the supply pipe for the introduction of regenerating gas, and an opening of the supply pipe for the introduction of regenerating gas that opens upstream of the SCOSO_x catalyst for the removal of SO_2 ; and/or

a steam reforming catalyst is situated between an opening of the at least one supply pipe for the addition of molecular hydrogen or hydrocarbon that opens into the further supply pipe for the supply of fresh regenerating gas, and an opening of the further supply pipe for the supply of fresh regenerating gas that opens downstream of the ~~SCONO_x~~ catalyst for the removal of NO_x .

Claim 16 (Previously Presented): Apparatus according to claim 6, wherein a purge duct for the supply or removal of a cleaning gas opens into at least one supply pipe or drain pipe.

Claim 17 (Previously Presented): Apparatus according to claim 6, wherein at least one drain pipe is connected to a hydrogen monitor and to an oxygen monitor.

Claim 18 (Previously Presented): Apparatus according to claim 6, further comprising a purge duct for the supply or removal of a cleaning gas, the purge duct opening into the drain pipe.

Claim 19 (Previously Presented): Apparatus according to claim 6, wherein the at least one drain pipe is connected to a hydrogen monitor and to an oxygen monitor.

Claim 20 (Previously Presented): Apparatus according to claim 7, wherein a supply pipe for the addition of molecular hydrogen or hydrocarbon opens into at least one supply pipe.

Claim 21 (Currently Amended): Apparatus according to claim 20, wherein a steam reforming catalyst is situated between an opening of the at least one supply pipe for the addition of molecular hydrogen or hydrocarbon that opens into the supply pipe for the introduction of regenerating gas, and an opening of the supply pipe for the introduction of regenerating gas that opens between the SCOSO_x catalyst for the removal of SO_2 and the SCONO_x catalyst for the removal of NO_x .

Claim 22 (Previously Presented): Apparatus according to claim 7, wherein a purge duct for the supply or removal of a cleaning gas opens into at least one supply pipe or drain pipe.

Claim 23 (Previously Presented): Apparatus according to claim 7, wherein at least one drain pipe is connected to a hydrogen monitor and to an oxygen monitor.

Claim 24 (Previously Presented): Apparatus according to claim 7, further comprising a purge duct for the supply or removal of a cleaning gas, the purge duct opening into the drain pipe.

Claim 25 (Previously Presented): Apparatus according to claim 7, wherein the further drain pipe is connected to a hydrogen monitor and to an oxygen monitor.

Claim 26 (Currently Amended): An apparatus for regenerating catalyst in a catalyst plant, the apparatus comprising:

a catalyst plant comprising a ~~SCOSO_x~~ catalyst for the removal of SO₂ and at least one ~~SCONO_x~~ catalyst for the removal of NO_x, the ~~SCOSO_x~~ catalyst for the removal of SO₂ upstream of the at least one ~~SCONO_x~~ catalyst for the removal of NO_x,
NO_x,

a first supply pipe in fluid communication with the catalyst plant at a first introduction point downstream of the at least one ~~SCONO_x~~ catalyst for the removal of NO_x to introduce a regeneration gas into the catalyst plant;

at least one drain pipe in fluid communication with the catalyst plant at a first extraction point upstream of the ~~SCOSO_x~~ catalyst for the removal of SO₂ or between the ~~SCOSO_x~~ catalyst for the removal of SO₂ and the at least one ~~SCONO_x~~ catalyst for the removal of NO_x; and

a second supply pipe in fluid communication with the catalyst plant at a second introduction point separated from the at least one drain pipe by the ~~SCOSO_x~~ catalyst for the removal of SO₂.